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Notice of Allowability

Application No.

10/747,928

Applicant(s)

KRITHIVAS, RAMAMURTHY

Examiner

Tammara R. Peyton

Art Unit

2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/7/07.
2. ☒ The allowed claim(s) is/are 21-42.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

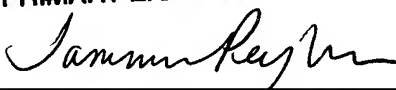
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

**TAMMARA PEYTON
PRIMARY EXAMINER**



EXAMINER'S AMENDMENT AND REASON FOR ALLOWANCE

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Pursuant to MPEP 606.01, the title has been changed to read:

--METHOD, SYSTEM, AND PROGRAM FOR MANAGING DATA READ OPERATIONS
ON NETWORK CONTROLLER WITH OFFLOADING FUNCTIONS --

Election/Restrictions

Claims 1-20 were withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species I, their being no allowable generic or linking claim. Election was made without traverse in the reply filed on 3/27/07. This application is in condition for allowance except for the presence of non-elected claims 1-20, accordingly, claims 1-20 have been cancelled.

The application has been amended as follows:

Claims 1-20 – CANCELLED (species I)

Art Unit: 2182

Newly cited Prior Art: Pinkerton et al. (US 7,181,531) discloses a method to synchronize and upload an offloaded network stack connection with a network stack.

The following is an examiner's statement of reasons for allowance based on the newly cited prior art above and previously cited prior art; therein, claims 21-42 include allowable subject matter and considered pertinent to the applicant's disclosure, taken individually or in combination, the prior art of record and the newly filed prior art above does not teach or suggest the claimed limitations having " a target controller coupled to the bus, data storage controller for managing Input/Output (I/O) access to the target storage, including processing read commands addressing target data having target addresses within said target storage; a device driver executable by the processor in the memory; and a network controller coupled to the bus and having an offload engine and a cache adapted to store target data from at least one target address of said target storage, said network controller being adapted to: receive from the initiator, a packet containing a read command which addresses target data having a target address within said target storage; and compare the target address of the read command to a target address of the target data in the cache for the network controller engine; wherein said offload engine is adapted to process said read command if target data stored in the cache was obtained from a target address which corresponds to the read command target address, said processing including sending target data stored in the cache through the network to the initiator and wherein said read command is processed by said network controller instead of said target controller.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammara Peyton whose telephone number is (571) 272-4157. The examiner can normally be reached between 6:30 - 4:00 from Monday to Thursday, (I am off every first Friday), and 6:30-3:00 every second Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Huynh can be reached on (571) 272-4083. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300. Any inquiry of a general nature of relating to the status of this application should be directed to the Group receptionist whose telephone number is (571) 272-2100.

**TAMMARA PEYTON
PRIMARY EXAMINER**

A handwritten signature in cursive script, appearing to read "Tammara Peyton", written in black ink.

Tammara Peyton

October 14, 2007